

**A****Fot1**

FOT1	MSKLVPIASPNLSMMTSRAYDEAKKE--KGSQGVIDHEKGEYVDISGREIISSESEKHG	57
FOTX	MSKLVPIASPNLSMMTSRAYDEAKKE--KGSQGVIDHEKGEYVDISGREIISSESEKHG	57
FOT2	MSKLVPIASPNLSMMTSRAYDEVKNENVEKGQSGVDEKGEYVDVLGREIISSESEKHG	59
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	RQLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	117
FOTX	RQLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	117
FOT2	RNLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	118
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	177
FOTX	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	177
FOT2	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	178
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	237
FOTX	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	237
FOT2	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	238
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	ILVGGLLCMILQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	297
FOTX	ILVGGLLCMILQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	297
FOT2	ILVGGLLCMIMQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	298
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	357
FOTX	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	357
FOT2	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	358
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	417
FOTX	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	417
FOT2	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	418
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAIAYILGTAIPSISALVIVGAF	477
FOTX	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAVAYILGTAIPSISALVIVGAF	477
FOT2	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAIAYILGTAIPSISALVIVGAF	478
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	537
FOTX	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	537
FOT2	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	538
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT1	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	583
FOTX	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	583
FOT2	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	584
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	

**B****Fot3**

FOT3	MSKLVPIASPNLSMMTSRAYDEAKKE--KGSQGVIDHEKGEYVDISGREIISSESEKHG	57
FOTX	MSKLVPIASPNLSMMTSRAYDEAKKE--KGSQGVIDHEKGEYVDISGREIISSESEKHG	57
FOT2	MSKLVPIASPNLSMMTSRAYDEVENVEKGEGEQGSVDLKGEYVDVLGREIISSESEKHG	59
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	RQLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	117
FOTX	RQLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	117
FOT2	RNLPLQAYVHYAEIQREFERERDEDGLYAVQREQMVTDPHSNVSPSKLDSQRMLRIAKAY	118
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	177
FOTX	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	177
FOT2	SVFELITTDILGPSNAPYAVAQMGWVPGVILYLVFGVAAAFGGWLLNFCKVDSNNYPI	178
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	237
FOTX	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	237
FOT2	RTFSDLAARVVAPWFRYPFGLLQFIQMIILNCGLLSTAQSVSQMLVVNRGGDFCFTVD	238
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	ILVGGLLCMIMQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	297
FOTX	ILVGGLLCMILQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	297
FOT2	ILVGGLLCMIMQIIRSLGRFAHIANSAVVMNIAICIIITMVGAVAGGPYYGIFEQYQQGAP	298
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	357
FOTX	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	357
FOT2	YFQPSSYIPLPIKQYAIVPGNISDKIAGMNNMVFAWGATIFCEVMAEMRPMDFWKGML	358
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	417
FOTX	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	417
FOT2	CAQSLILVVYLFYGLFYAYNGQFSYVTANMAIGSIGLQNAGNVLSIIISGIIAMVLYGNI	418
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAVAYILGTAIPSISALVIVGAF	477
FOTX	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAVAYILGTAIPSISALVIVGAF	477
FOT2	GIKVYQGFLVTDFNFPSTSRSRKGTFAWGFVYYWAVAYILGTAIPSISALVIVGAF	478
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	537
FOTX	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	537
FOT2	ILNFSYTFPLFLFGCLLCRQDAALADNFDAKTLTVEKADSYRWSRWKRALGYGGTYRIL	538
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	
FOT3	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	583
FOTX	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	583
FOT2	IKVSLFLFLASLATCGLCSYSAISGAIAYQTNPAPQPFCTSPVA	584
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:	

**Supplementary figure S3: Protein sequence alignments of *Fot2\_TOMI* and *FotX\_TOMI* with (A) *Fot1* and (B) *Fot3*. Protein sequences identical to *Fot2\_TOMI* are highlighted in grey**